**Cruise Management System**

1. Overview

Cruise Management implies managing the travel of passengers through ships. There are companies that arrange travel through ships. People travel through ships for entertainment purposes. Many functions are involved in managing a company that concentrates on Voyage of the passengers from one Location to other

The software developed through this project must support functions that are related to customer registrations, bookings, Tracking the moment of the ships, ship maintenance, ship bunkering, ship inventory, ship procurement and accounting of revenue and expenditure.

1. Platform requirements

|  |  |  |
| --- | --- | --- |
| Hardware/Software | Hardware / Software element | Specification /version |
| Hardware | Processor | Intel core to duo |
| RAM | 1 GB |
| Hard Disk | 100 GB |
| Software | OS | Windows XP |
| Java Related IDE | Java 5.1 |

1. Module Identification

Following are the modules that comprise the system

|  |  |
| --- | --- |
| Serial Number | Name of the Module |
|  | Maintain Lookup Tables (Customers, ships, ship-locations, ship-tariff) |
|  | Customer booking |
|  | Ship procurement |
|  | Ship Maintenance |

1. Function Identification - module wise

|  |  |  |  |
| --- | --- | --- | --- |
| Module Number | Module Name | Function Serial | Function Title |
|  | Maintain Lookup Tables (Customers, ships, ship-locations, ship-tariff) |  | Maintain Customers |
|  | Maintain ship Locations |
|  | Maintain Ship Voyages |
|  | Maintain Voyage Traffic |
|  | Customer booking |  | Enquire for routes and tariffs |
|  | Enquire Ship schedules |
|  | Customer bookings |
|  | Generate customer bookings Ship schedule wise |
|  | Ship procurement |  | Capture Quotations |
|  | Compare quotations |
|  | Place purchase orders |
|  | Registering the ships |
| 4. | Ship repairs and Maintenance |  | Maintain master list of repairs with per unit cost |
|  | Maintain the master list of maintenance works with per unit cost |
|  | Prepare schedules for undertaking the Maintenance and repairs |
|  | Maintain bills related to maintenance and repairs |